

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
NIOX:002/HODSerial No.
09/095,174

Applicants

William A. Seitz, Robert E. Garfield, Alexandru T.
Balaban and Randall J. StewartFiling Date:
June 10, 1998Group:
1614U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
9/10/98	A1	3,813,249	05/28/74	Ezekiel <i>et al.</i>			
	A2	4,535,154	08/13/85	Keefer <i>et al.</i>			
	A3	4,954,526	09/04/90	Keefer			
	A4	5,039,705	08/13/91	Keefer <i>et al.</i>			
	A5	5,155,137	10/13/92	Keefer <i>et al.</i>			
	A6	5,185,376	02/09/93	Diodati <i>et al.</i>			
	A7	5,208,233	05/04/93	Keefer <i>et al.</i>			
	A8	5,212,204	05/18/93	Keefer <i>et al.</i>			
	A9	5,250,550	10/05/93	Keefer <i>et al.</i>			
	A10	5,498,421	03/12/96	Grinstaff <i>et al.</i>			
	A11	5,519,020	05/21/96	Smith <i>et al.</i>			
9/10/98	A12	5,698,738	12/16/97	Garfield <i>et al.</i>			

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
9/10/98	B1	WO 96/40058	12/19/96	PCT			
9/10/98	B2	DE 2054661	05/10/72	Germany			Yes

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
9/10/98	C1	Abdalla <i>et al.</i> , "Prevention of Bone Mineral Loss in Postmenopausal Women by Norethisterone", <i>Obstetrics and Gynecology</i> , Vol. 66, No. 6, pp. 789-792, 1985.

Examiner:

James H. Kramer

Date Considered:

06/8/99

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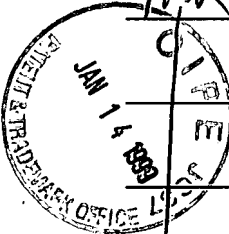
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	C2	Ahokas <i>et al.</i> , "Enhanced Endothelium-Derived Relaxing Factor Activity in Pregnant Spontaneously Hypersensitive Rats," <i>Am. J. Obstet. Gynecol.</i> (Abstract), 164(1):242, 1991.
	C3	Alam <i>et al.</i> , "A Hypothesis for the Local Control of Osteoclast Function by Ca ²⁺ , Nitric Oxide and Free Radicals", <i>Bioscience Reports</i> , Vol. 12, No. 5, pp. 369-380, 1992.
	C4	Balaban and Istratou, "N-Arenesulphonyl-N-(2,2,6,6-Tetramethylpiperidyl-1)-Aminyls, Hydrazyls with No Nitrogen-Bonded Aromatic Groups," <i>Tetrahedron Letters</i> , 21:1879-80, 1973.
	C5	Balaban and Negotia, "Factors Affecting Stability and Equilibria of Free Radicals. VII Arenesulphonyl-Phenyl-Nitroxides and 1-Arenesulphonyl-2,2-Diphenylhydrazyls," <i>Revue Roumaine de Chimie</i> , 17(7):1227-34, 1972.
	C6	Balaban <i>et al.</i> , "Aryl-N-nitroso Nitroxides," <i>Journal of Magnetic Resonance</i> , 9:1-7, 1973.
	C7	Balaban <i>et al.</i> , "Model MNDO Calculations for Rotamers of α -Acylnitroxides and of N-Nitrosanitroxides," <i>Tetrahedron</i> , 43(2):405-08, 1987.
	C8	Balaban <i>et al.</i> , "N-Nitroso-Phenyl-Nitroxide," <i>Revue Roumaine de Chimie</i> , 16(5):721-23, 1971.
	C9	Clark and Shaw, "Stable emulsions of highly fluorinated organic compounds for preparation of artificial blood formulations", <i>Chemical Abstracts</i> , Vol. 107:242588t, 1987.
	C10	Clark, Leland and Gollan, "Survival of Mammals Breathing Organic Liquid Equilibrated with Oxygen at Atmospheric Pressure", <i>Science</i> , Vol. 152, pp. 1755-1756, 1966.
	C11	Culotta and Koshland, Jr., "NO News is Good News," <i>Science</i> , 258:1862-65, 1992.
	C12	Diodati <i>et al.</i> , "Complexes of Nitric Oxide with Nucleophiles as Agents for the Controlled Biological Release of Nitric Oxide: Hemodynamic Effect in the Rabbit," <i>Journal of Cardiovascular Pharmacology</i> , 22:287-92, 1993.
	C13	Drago and Karstetter, "The Reaction of Nitrogen(II) Oxide with Various Primary and Secondary Amines," <i>J. Am. Chem. Soc.</i> , 83:1819-22, 1961.
	C14	Drago <i>et al.</i> , "A Mechanism for the Reaction of Diethylamine with Nitric Oxide," <i>J. Am. Chem. Soc.</i> , 83:4337-39, 1961.
	C15	Drago, "Reactions of Nitrogen(II) Oxide," <i>Amer. Chem. Soc.</i> , Ch. 15, pp. 143-49, 1962.

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	C16	Erner, "Preparation of fluorinated triethylenediamines for an oxygen transport agent and blood-substitute emulsion containing them", <i>Chemical Abstracts</i> , Vol. 113:138569a, No. 16, 1990.
	C17	Feelisch and Stamler, "Donors of nitrogen oxide," In: <i>Methods in Nitric Oxide Research</i> , Wiley, New York, pp. 71-115, 1996.
	C18	Feelisch, "Biotransformation to nitric oxide of organic nitrates in comparison to other nitrovasodilators," <i>European Heart Journal</i> , 14(Suppl. I):123-32, 1993.
	C19	Feelisch, "The Biochemical Pathways of Nitric Oxide Formation from Nitrovasodilators: Appropriate Choice of Exogenous NO Donors and Aspects of Preparation and Handling of Aqueous NO Solutions," <i>Journal of Cardiovascular Pharmacology</i> , 17(Suppl. 3):S25-S33, 1991.
	C20	Furchgott and Zawadzki, "The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine," <i>Nature</i> , 288:373-76, 1980.
	C21	Geyer, "Fluorocarbon-Polyol Artificial Blood Substitutes", <i>Seminars in Medicine of the Beth Israel Hospital, Boston</i> , Vol. 289, No. 20, pp. 1077-1082, 1973.
	C22	Hansen, Croisy, Keefer, "N-Nitrosation of Secondary Amines by Nitric Oxide Via the 'Drago Complex'," In: <i>N-Nitroso Compounds: Occurrence and Biological Effects</i> , Bartsch <i>et al.</i> , Eds., National Cancer Institute, Bethesda, MD, International Agency for Research on Cancer Publication No. 41, pp. 21-29, 1992.
	C23	Ignarro, "Signal Transduction Mechanisms Involving Nitric Oxide," <i>Biochemical Pharmacology</i> , 41(4):485-90, 1991.
	C24	Iida <i>et al.</i> , "Reactions of nitrosobenzenes with nitrogen monoxide," <i>Chemistry Abstracts</i> , The American Chemical Society, 89(21):573, Abstract No. 179627x, 1978.
	C25	Isono <i>et al.</i> , "Effect of FK409, a Novel Nitric Oxide Donor, on Acute Experimental Myocardial Ischemia," <i>Japan. J. Pharmacol.</i> , 62:315-24, 1993.
	C26	Izumi <i>et al.</i> , "Gestational changes in L-arginine-induced relaxation of pregnant rat and human myometrial smooth muscle," <i>Am. J. Obstet. Gynecol.</i> , 169(5):1327-37, 1993.
	C27	Kamm and Marvel, "B-Phenylhydroxylamine (Hydroxylamine, N-phenyl)-C ₆ H ₅ NO ₂ +2Zn+2ZnO," <i>Org. Synth. Coll.</i> , 8(1):445-47, 1941.

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	C28	Kasten <i>et al.</i> , "Potentiation of osteoclast bone-resorption activity by inhibition of nitric oxide synthase," <i>Proc. Natl. Acad. Sci. USA</i> , 91:3569-73, 1994.
	C29	Kaufman and Richard, "Emulsions of highly fluorinated organic compounds as blood substitutes", <i>Chemical Abstracts</i> , Vol. 113:46356a, 1990.
	C30	Keefer <i>et al.</i> , "Chemistry of the "NONOates"," In: <i>Nitrosamines and Related N-Nitroso Compounds</i> , 204th National Meeting of the American Chemical Society, ACS Symposium Series 553, Loepky, C. Michejda, Eds., Ch. 11, pp. 136-146, 1994.
	C31	Keefer, "N-oxy-N-nitrosamine derivatives, their preparation, and their use as antihypertensives," <i>Chemical Abstracts</i> , The American Chemical Society, 113(17):71, Abstract No. 1453446, 1990.
	C32	Keefer <i>et al.</i> , "'NONOates' (1-substituted diazen-1-ium-1,2-diolates) as nitric oxide donors: convenient nitric oxide dosage forms," <i>Methods in Enzymology</i> , 268:281-293, 1996.
	C33	Knowles and Moncada, "Nitric oxide as a signal in blood vessels," <i>TIBS</i> , 17:399-402, 1992.
	C34	Koshland, Jr., "The Molecule of the Year," <i>Science</i> , 258:1861, 1992.
	C35	Lees <i>et al.</i> , "Arrest of preterm labour and prolongation of gestation with glyceryl trinitrate, a nitric oxide donor," <i>The Lancet</i> , 343:1325-26, 1994.
	C36	Longhi <i>et al.</i> , "Reactions of Nitrogen(II) Oxide with Miscellaneous Lewis Bases," <i>Inorganic Chemistry</i> , 1(4):768-70, 1962.
	C37	Lowik <i>et al.</i> , "Inducible Production of Nitric Oxide in Osteoblast-like Cells and in Fetal Mouse Bone Explants Is Associated with Suppression of Osteoclastic Bone Resorption", <i>J. Clin. Invest.</i> , Vol. 93, pp. 1465-1472, 1994.
	C38	MacIntyre <i>et al.</i> , "Osteoclastic inhibition: An action of nitric oxide not mediated by cyclic GMP", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 88, pp. 2936-2940, 1991.
	C39	Maragos <i>et al.</i> , "Complexes of NO with Nucleophiles as Agents for the Controlled Biological Release of Nitric Oxide. Vaso relaxant Effects," <i>Abstract, MED</i> , Abstract No. 63.
	C40	Marvel and Kamm, "Cupferron," <i>Org. Synth. Coll.</i> , 8(1):177-79, 1941.
	C41	Minisci and Galli, "Comunicazioni brevi," <i>Chimica e Industria (Milano)</i> , 46:423, 1964.

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MA	C42	Molnar and Hertelendy, "N ω -Nitro-L-arginine, an inhibitor of nitric oxide synthesis, increases blood pressure in rats and reverses the pregnancy-induced refractoriness to vasopressor agents", <i>Am J Obstet Gynecol</i> , Vol. 166, No. 5, pp. 1560-1567, 1992.
	C43	Moncada <i>et al.</i> , "Nitric Oxide: Physiology, Pathophysiology, and Pharmacology," <i>Pharmacological Reviews</i> , 43(2):109-42, 1991.
	C44	Negoita <i>et al.</i> , "N-(2,4,6-Tricarbomethoxyphenyl)-Alkoxyaminyls, New Push-Pull Stable Nitrogen Free Radicals," <i>Tetrahedron Letters</i> , 21:1877-78, 1973.
	C45	Pinto <i>et al.</i> , "Endothelial-derived relaxing factor released by endothelial cells of human umbilical vessels and its impairment in pregnancy-induced hypertension," <i>Am. J. Obstet. Gynecol.</i> , 164(2):507-13, 1991.
	C46	Ragsdale <i>et al.</i> , "Decomposition of the Adducts of Diethylamine and Isopropylamine with Nitrogen(II) Oxide," <i>Inorganic Chemistry</i> , 4(3):420-22, 1965.
	C47	Reith and Szakali, "Formation and stability of nitric oxide myoglobin I. Studies with model systems," <i>J. Food Sci.</i> , 32:188-193 1967.
	C48	Reith and Szakali, "Formation and stability of nitric oxide myoglobin I. Studies on meat," <i>J. Food Sci.</i> , 32:194-196, 1967.
	C49	Riess and LeBlanc, "Preparation of perfluorochemical emulsions for biomedical use: principles, materials and methods", <i>Blood Substitutes</i> , Ch. 5, pp. 94-129, 1988.
	C50	Riess and LeBlanc, "Solubility and Transport Phenomena in Perfluorochemicals Relevant to Blood Substitution and Other Biomedical Applications", <i>Pure & Appl. Chem.</i> , Vol. 54, No. 12, pp. 2383-2406, 1982.
	C51	Riess, "Highly fluorinated systems for oxygen transport, diagnosis and drug delivery", <i>Colloids and Surfaces A:Physiochemical and Engineering Aspects</i> , 84:33-48, 1994.
	C52	Riess, "The Design and Development of Improved Fluorocarbon-Based Products for Use in Medicine and Biology", <i>Art. Cells, Blood Subs., and Immob. Biotech.</i> , 22(2), pp. 215-234, 1994.
MA	C53	Roberts <i>et al.</i> , "Preeclampsia: An endothelial cell disorder," <i>Am. J. Obstet. Gynecol.</i> , 161(5):1200-04, 1989.

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<i>HS</i>	C54	Saavedra <i>et al.</i> , "Secondary Amine/Nitric Oxide Complex Ions, $R_2N[N(O)NO]$, O-Functionalization Chemistry," <i>J. Org. Chem.</i> , 57(23):6134-38, 1992.
	C55	Sand and Singer, "Stickoxyd und das Grignard'sche Reagens," <i>In: Justus Liebig's Annalen der Chemie</i> , C.F. Winter'sche Verlagshandlung, Leipzig, pp. 190-95, 1903.
	C56	Schweighardt and Kayhart, European Patent Application No. EP 282,949, filed on September 21, 1988, with U.S. Patent Application No. 28,521, filed on March 20, 1987, <i>Chem. Abstr.</i> , 110:199223 and 199180, 1989.
	C57	Shukovski and Tsafri, "The Involvement of Nitric Oxide in the Ovulatory Process in the Rat," <i>Endocrinology</i> , 135(5):2287-90, 1994.
	C58	Sloviter and Kamimoto, "Erythrocyte Substitute for Perfusion of Brain", <i>Nature</i> , Vol. 216, pp. 458-460, 1967.
	C59	Smith, "Cupferron and Neo-cupferron," G.F. Smith Chem. Co., Columbus, OH, 1938.
	C60	Sortino <i>et al.</i> , "Involvement of Nitric Oxide in the Regulation of Gonadotropin-Releasing Hormone Release from the GT1-1 Neuronal Cell Line," <i>Endocrinology</i> , 134(4):1782-87, 1994.
	C61	Stamler <i>et al.</i> , "Biochemistry of Nitric Oxide and Its Redox-Activated Forms," <i>Science</i> , 258:1898-02, 1992
	C62	Venema <i>et al.</i> , "Organization of the bovine gene encoding the endothelial nitric oxide synthase", <i>Biochimica et Biophysica Acta</i> , Vol. 1218, pp. 413-420, 1994.
	C63	Vincent, (Ed.), "Nitric Oxide in the Nervous System", Academic Press, New York, 1995.
	C64	Weiner <i>et al.</i> , "Induction of calcium-dependent nitric oxide synthase by sex hormones", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, pp. 5212-5216, 1994.
	C65	Yallampalli <i>et al.</i> , "An L-arginine-nitric oxide-cyclic guanosine monophosphate system exists in uterus and inhibits contractility during pregnancy," <i>Am. J. Obstet. Gynecol.</i> , 170(1):175-85, 1994.
	C66	Yallampalli and Garfield, "Inhibition of nitric oxide synthesis in rats during pregnancy produces signs similar to those of preeclampsia," <i>Am. J. Obstet. Gynecol.</i> , 169(5):1316-20, 1993.
<i>HS</i>	C67	Yallampalli <i>et al.</i> , "Nitric Oxide Inhibits Uterine Contractility During Pregnancy But Not During Delivery," <i>Endocrinology</i> , 133(4):1899-02, 1993.

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Exam. Init.	Ref. Des.	Citation
977X	C68	Co-pending U.S. Patent Application Serial No. 08/633,337 filed April 17, 1996 (UTSG:181).
977X	C69	Co-pending U.S. Patent Application Serial No. 08/979,281 filed November 26, 1997 (UTSG:219).



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